

CLAIMS

1. An optical disk, comprising:
a label region on the optical disk comprising a writeable material; and
disk speed features, located to be readable when writing the label
region, to convey disk speed data.
5
2. The optical disk of claim 1, wherein the label region is on a label side of
the optical disk.
- 10 3. The optical disk of claim 1, wherein the disk speed features are
configured to deflect incoming light.
4. The optical disk of claim 1, wherein the optical disk includes a data side
and a label side.
15
5. The optical disk of claim 1, additionally comprising:
disk angular orientation features, located to be readable when writing
to the label side, to convey disk angular orientation data.
- 20 6. The optical disk of claim 5, wherein the disk speed features and the
disk angular orientation features define annular rings configured for
reading by an encoder.
7. The optical disk of claim 5, wherein the disk angular orientation
25 features are defined in a mirror region of the label side of the optical
disk.
8. The optical disk of claim 5, wherein the disk angular orientation
features are molded.
30
9. The optical disk of claim 5, wherein the disk angular orientation
features comprise markings within the label region.
10. The optical disk of claim 5, wherein the features are molded.

11. The optical disk of claim 5, wherein the features are printed.
12. The optical disk of claim 5, wherein the disk angular orientation
5 features comprise a surface, distinct from the OPU-writable material,
having markings to indicate disk angular orientation.
13. The optical disk of claim 12, wherein the markings comprise a molded
saw tooth to deflect light from a sensor.
10
14. The optical disk of claim 12, wherein the markings comprise
interspersed areas with and without molded pits.
15. The optical disk of claim 12, wherein molded pits define a light-
deflecting feature.
15
16. The optical disk of claim 5, wherein the disk speed features and the
disk angular orientation features are combined into an annular ring of
features to convey the disk speed data and the angular orientation
20 data.
17. The optical disk of claim 1, wherein the disk speed features are molded
in a mirror region of the optical disk.
25
18. The optical disk of claim 1, wherein the disk speed features comprise a
molded saw tooth to deflect light from a sensor.
19. The optical disk of claim 1, wherein the disk speed features comprise
interspersed areas with and without molded pits.
30

20. A method of making an optical disk, comprising:
molding disk speed features configured to be viewed during labeling of
the optical disk;
defining disk angular orientation features configured to be viewed
5 during labeling of the optical disk; and
coating a label region on the label side of the optical disk with an OPU-
writable coating.
10. 21. The method of claim 20, wherein molding disk speed features
comprises formation of a saw tooth feature.
15. 22. The method of claim 20, wherein molding disk speed features
comprises formation of areas of pits interspersed with areas having no
pits.
20. 24. The method of claim 20, wherein defining the disk angular orientation
features comprises defining optically readable indicia on a planar
surface of the optical disk.

25